AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph on page 3 beginning at line 9 and continuing to line 10 with the following paragraph:

> Figure 2 is an elevation view of a portion of a liquid-cooled welding torch, in accordance with an exemplary embodiment of the present invention; [[;]]

Please replace the paragraph on page 3 beginning at line 11 and continuing to line 12 with the following paragraph:

> Figure 3 is a partially-cut away view of a liquid-cooled welding torch head, in accordance with an exemplary embodiment of the present invention; [[;]]

Please replace the paragraph on page 7 beginning at line 4 and concluding at line 14 with the following paragraph:

> Referring generally to Figures 3-5, the torch head 46 comprises a torch head body 62 having a helical cooling fin 64 that extends around the torch head body 62, a sleeve 66 disposed over the torch head body 62 to define a volume for cooling liquid 24 to flow through the torch head 46, and a baffle 68 to direct the flow of cooling liquid 24. The liquid supply tube 54 (illustrated in Figure 2) is coupled to a liquid inlet 70 in the sleeve 66. The liquid inlet 70 enables cooling liquid 24 to flow from the liquid supply tube 54 into the welding torch 46. Conversely, the liquid return tube 56 (illustrated in Figure 2) is coupled to a liquid outlet 72 in the sleeve 66. The liquid outlet 72 enables heated cooling liquid [[26]] 28 to flow out of the torch head 46 to the liquid return tube 56. In the illustrated embodiment, the liquid inlet 70 and liquid outlet 72 are disposed proximate to one another at one end of the sleeve 66.

Please replace the paragraph beginning on page 7 at line 16 and continuing to page 8 at line 2 with the following paragraph:

The baffle 68 deflects the heated cooling liquid 28 entering through the liquid inlet 70 so that the cooling liquid 24 is forced to flow along the length of the torch head body 62 over the helical cooling fin 64. Because the liquid inlet 70 and the liquid outlet 72 are located adjacent to each other, the cooling liquid 24 would simply flow straight from the liquid inlet 70 to the liquid outlet 72 if the baffle 68 were not disposed between the inlet 70 and outlet 72 to prevent it. In the illustrated embodiment, the baffle 68 has a flange 74 located along each of the two sides of the baffle 68. The flanges 74 are a[[4]]dapted to fit into two corresponding grooves 76 in the sleeve 66 to secure the baffle 68 to the sleeve 66. However, other methods of securing the baffle 68 to the sleeve 66 may be utilized.

Please replace the paragraph on page 8 beginning at line 4 and concluding at line 16 with the following paragraph:

In the illustrated embodiment, cooling liquid 24 flows into the torch head 46 through the liquid inlet 70 and heated cooling liquid [[26]] 28 flows out of the torch head 46 through the liquid outlet 72. Generally, the cooling liquid 24 flows in the same direction as the gas 20. The helical cooling fin 64 urges the cooling liquid 24 to flow in a helical pattern around the torch head body 62. In the illustrated embodiment, the cooling liquid 24 is illustrated as flowing helically around the torch head body 62 between the torch head body 62 and the inner surface 78 of the baffle 68, removing heat from the torch head body 62 by forced convection. However, some or all of the cooling fluid 24 may flow linearly over the cooling fin 64. In addition, the cooling fluid 24 may induce turbulent flow of the cooling fluid 24. When the cooling liquid 24 reaches the end 80 of the baffle 68, the cooling liquid 24 reverses direction and flows in the opposite direction back towards the liquid outlet 72 in a flow channel formed between the outer surface 82 of the baffle 68 and the sleeve 66.